

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|---|------------------|---------|---------------------|
| S163  | 1     | flat scraper and honey\$1comb\$1   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/05/04<br>14:41 |
| S164  | 79164 | honeycomb  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/05/04<br>14:42 |
| S165  | 1878  | honeycomb and scrap\$3   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/05/04<br>14:42 |
| S166  | 32    | honeycomb and scrap\$3 with flat   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/05/04<br>14:42 |
| S167  | 45    | honeycomb and scrap\$3 with (ring or circle or circular)                 | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/05/04<br>14:43 |
| S168  | 216   | honeycomb and (scrap\$3 or spread \$3) with (ring or circle or circular) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/05/04<br>14:43 |
| S169  | 367   | pillar and (scrap\$3 or spread\$3) with (ring or circle or circular)     | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/05/04<br>14:44 |
| S170  | 28611 | (scrap\$3 or spread \$3) with (ring or circle or circular)               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2010/05/04<br>14:47 |

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| S171 | 2316 | (scrap\$3 or spread \$3) with (ring or circle or circular) with seal\$4   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:47 |
| S172 | 863  | (scrap\$3 or spread \$3) with (ring or circle or circular) with flat  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:47 |
| S173 | 30   | (scrap\$3 or spread \$3) with (ring or circle or circular) with flat with tube  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:47 |
| S174 | 1750 | (scrap\$3 or spread \$3) with (ring or circle or circular) with (adhesive or glue or sealant or sealing)                                | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:50 |
| S175 | 114  | (scrap\$3 or spread \$3) with (ring or circle or circular) with (adhesive or glue or sealant or sealing) same tube                      | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:51 |
| S176 | 380  | (scrap\$3 or spread \$3) with (ring or circle or circular) with (adhesive or glue or sealant or sealing) same (tube or rod or cylinder) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:51 |
| S177 | 149  | (circular or ellipsoidal) with doctor blade   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:54 |
| S178 | 1    | (circular or ellipsoidal) with (cut\$1out\$1 or cut out) with doctor blade  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:56 |

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| S179 | 499   | (circular or ellipsoidal) with (cut\$1out\$1 or cut out) with (blade or spreader or scraper)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:57 |
| S180 | 726   | (circular or ellipsoidal or ring or annulus) with (cut\$1out\$1 or cut out) with (blade or spreader or scraper)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:58 |
| S181 | 1     | (circular or ellipsoidal or ring or annulus) with (cut\$1out\$1 or cut out) with (doctor blade)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>14:59 |
| S182 | 23    | ("0021192"  <br>"0031913"  <br>"0043189"  <br>"0053338"  <br>"0090658"  <br>"3691992"  <br>"3955531"  <br>"4256051"  <br>"4372796"  <br>"4394408"  <br>"4425866"  <br>"4460422"  <br>"4642248"  <br>"4875434"  <br>"4895098"  <br>"5284229").PN.<br>OR ("5871818").<br>URPN. | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>14:59 |
| S183 | 51050 | coat\$3 with<br>(cylinder or cylindrical or pillar)  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>15:01 |
| S184 | 1643  | coat\$3 with<br>(cylinder or cylindrical or pillar)<br>with (blade or applicator or spreader or scraper)   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>15:01 |

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| S185 | 584 | coat\$3 near3<br>(cylinder or<br>cylindrical or pillar)<br>with (blade or<br>applicator or<br>spreader or<br>scraper)  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>15:02 |
| S186 | 26  | ("2444572"  <br>"3055339"  <br>"3058137"  <br>"3106735"  <br>"3111431"  <br>"3404608"  <br>"3960644"  <br>"3966389"  <br>"4329937"  <br>"4554178"  <br>"4745879"  <br>"4774905"  <br>"5019417"  <br>"5230842"  <br>"5309947"  <br>"5326400"  <br>"5443377"  <br>"5499659").PN.<br>OR ("5855676").<br>URPN. | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>15:03 |
| S187 | 8   | coat\$3 near3<br>(cylinder or<br>cylindrical or pillar)<br>with (blade or<br>applicator or<br>spreader or<br>scraper) with<br>external   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>15:04 |
| S188 | 388 | coat\$3 near3<br>(cylinder or<br>cylindrical or pillar)<br>with external   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>15:06 |
| S189 | 167 | calibrating ring   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/04<br>15:09 |
| S190 | 29  | calibrat\$3 with<br>(spread\$3 or scrap<br>\$3) with (ring or<br>annulus or probe)   | US-PGPUB;<br>USPAT  | ADJ | ON | 2010/05/04<br>15:14 |

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| S191 | 8387 | coat\$3 with<br>(external or<br>outside) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoid)  | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>15:24 |
| S192 | 8385 | coat\$3 with<br>(external or<br>outside) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoidal)  | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>15:24 |
| S193 | 954  | coat\$3 with<br>(external or<br>outside) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoidal) with<br>(disc or ring or<br>annulus or annular<br>or circular)   | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>15:25 |
| S194 | 1215 | coat\$3 with<br>(external or<br>outside or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoidal) with<br>(disc or ring or<br>annulus or annular<br>or circular)                                | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:51 |
| S195 | 500  | coat\$3 with<br>(external near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoidal) with<br>(disc or ring or<br>annulus or annular<br>or circular) | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:52 |

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| S196 | 1367 | coat\$3 with<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoidal) with<br>(disc or ring or<br>annulus or annular<br>or circular)             | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:52 |
| S197 | 317  | coat\$3 with<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoidal) with<br>(scrap\$3 or spread<br>\$3 or annulus or<br>disk or disc)          | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:53 |
| S198 | 317  | coat\$3 with<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoidal or jig)<br>with (scrap\$3 or<br>spread\$3 or<br>annulus or disk or<br>disc) | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:55 |

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| S199 | 181  | coat\$3 with<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or jig) with<br>(scrap\$3 or spread<br>\$3 or annulus or<br>disk or disc)  | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:56 |
| S200 | 406  | coat\$3 with<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or jig) same<br>(scrap\$3 or spread<br>\$3 or annulus or<br>disk or disc)  | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:57 |
| S201 | 584  | coat\$3 near3<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar or cylindrical<br>or circular or<br>ellipsoidal) with<br>(disc or ring or<br>annulus or annular<br>or circular) | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:57 |
| S202 | 5817 | coat\$3 near3<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar)  | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:58 |

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| S203 | 3602 | coat\$3 near3<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar) near3<br>((external or<br>outer) near3<br>surface or outside<br>near3 surface or<br>exterior) | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>16:58 |
| S204 | 4799 | coat\$3 near3<br>((external or outer<br>or outside) surface<br>or exterior) with<br>(cylinder or rod or<br>pipe or tube or<br>pillar)   | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>17:00 |
| S205 | 3659 | (coat\$3 or expand<br>\$3 or spread\$3)<br>near3 ((external or<br>outer or outside)<br>surface or<br>exterior) near3<br>(cylinder or rod or<br>pipe or tube or<br>pillar)   | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>17:00 |
| S206 | 3197 | (coat\$3 or spread<br>\$3) near3<br>((external or outer<br>or outside) surface<br>or exterior) near3<br>(cylinder or rod or<br>pipe or tube or<br>pillar)   | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>17:01 |
| S207 | 69   | (coat\$3 or spread<br>\$3) near3<br>((external or outer<br>or outside) surface<br>or exterior) near3<br>(cylinder or rod or<br>pipe or tube or<br>pillar) same<br>(scraper or blade<br>or spreader or<br>applicator)  | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>17:01 |



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| S208 | 108 | (coat\$3 or spread \$3) near3<br>((external or outer or outside) surface or exterior) near3<br>(cylinder or rod or pipe or tube or pillar) same<br>(scraper or blade or spreader or applicator or disc)                                       | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>17:02 |
| S209 | 244 | (coat\$3 or spread \$3) near3<br>((external or outer or outside) surface or exterior) near3<br>(cylinder or rod or pipe or tube or pillar) same<br>(scraper or blade or spreader or applicator or disc or disk or ring)                       | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>17:02 |
| S210 | 260 | (coat\$3 or spread \$3) near3<br>((external or outer or outside) surface or exterior) near3<br>(cylinder or rod or pipe or tube or pillar) same<br>(scraper or blade or spreader or applicator or disc or disk or ring or annulus)            | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>17:02 |
| S211 | 359 | (coat\$3 or spread \$3) near3<br>((external or outer or outside) surface or exterior) near3<br>(cylinder or rod or pipe or tube or pillar) same<br>(scraper or blade or spreader or applicator or disc or disk or ring or annulus or annular) | US-PGPUB;<br>USPAT | ADJ | ON | 2010/05/04<br>17:02 |

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| S212 | 427 | (coat\$3 or spread \$3 or apply\$3) near3 ((external or outer or outside) surface or exterior) near3 (cylinder or rod or pipe or tube or pillar) same (scraper or blade or spreader or applicator or disc or disk or ring or annulus or annular)       | US-PGPUB; USPAT                                   | ADJ | ON | 2010/05/04 17:04 |
| S213 | 543 | (coat\$3 or spread \$3 or apply\$3) near3 ((external or outer or outside) near2 surface or exterior) near3 (cylinder or rod or pipe or tube or pillar) same (scraper or blade or spreader or applicator or disc or disk or ring or annulus or annular) | US-PGPUB; USPAT                                   | ADJ | ON | 2010/05/04 17:04 |
| S214 | 4   | "3604096".pn.  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/05/04 17:49 |
| S215 | 15  | "5049229"  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/05/04 17:50 |
| S216 | 2   | "5049229".pn.  | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/05/04 17:51 |
| S217 | 1   | "4818317".pn.  | US-PGPUB; USPAT                                   | ADJ | ON | 2010/05/04 18:08 |

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| S218 | 235   | (coat\$3 or spread\$3 or apply\$3) near3 ((external or outer or outside) near2 surface or exterior) near3 (cylinder or rod or pipe or tube or pillar) same (scraper or blade or spreader or applicator or disc or disk or ring or annulus or annular) and sealing | US-PGPUB;<br>USPAT  | ADJ | ON | 2010/05/04<br>18:10 |
| S219 | 27    | ("0804921"   "1134342"   "1680372"   "1849201"   "2169940"   "2782436"   "2813285"   "3733641"   "3822753").PN.<br>OR ("4621386").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>18:26 |
| S220 | 15383 | (annular or ring) sleeve  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>18:35 |
| S221 | 2     | (annular or ring) sleeve with (honey \$1comb\$1)  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>18:36 |
| S222 | 105   | (annular or ring) with (coat\$3 or spread\$3 or apply\$3 or applicat\$3) with (honey \$1comb\$1)  | US-PGPUB;<br>USPAT; USOCR                                     | ADJ | ON | 2010/05/04<br>18:36 |
| S223 | 261   | (annular or ring) and (coat\$3 or spread\$3 or apply\$3 or applicat\$3) and (honey\$1comb\$1)   | EPO; JPO;<br>DERWENT;<br>IBM_TDB                              | ADJ | ON | 2010/05/04<br>18:38 |
| S224 | 5     | (mues near2 willem).inv. and peripheral   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:18 |

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| S225 | 10    | annular coater  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:18 |
| S226 | 13268 | ohira.inv.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:20 |
| S227 | 0     | ohira.inv. and<br>anular  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:20 |
| S228 | 143   | ohira.inv. and<br>annular   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:20 |
| S229 | 343   | annular with<br>peripher\$4 with<br>(applicat\$4 or coat<br>\$3) with (cylinder<br>or cylindrical)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:33 |
| S230 | 58    | (annular or ring)<br>with peripher\$4<br>with (applicat\$4 or<br>coat\$3) with<br>(cylinder or<br>cylindrical) same<br>slid\$3  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:44 |
| S231 | 86    | (annular or ring)<br>with (peripher\$4<br>or outside or<br>exterior) with<br>(applicat\$4 or coat<br>\$3) with (cylinder<br>or cylindrical)<br>same slid\$3                           | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:46 |
| S232 | 128   | (annular or ring)<br>with (peripher\$4<br>or outside or<br>exterior) with<br>(applicat\$4 or coat<br>\$3) with (cylinder<br>or cylindrical or<br>pipe or rod or<br>tube) same slid\$3 | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2010/05/05<br>10:46 |

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|------|----|---|---------------------------|-----|----|---------------------|
| S233 | 31 | ("1357730"  <br>"2222516"  <br>"2616437"  <br>"2985178"  <br>"3045931"  <br>"3421527"  <br>"3577280"  <br>"4126484"  <br>"4155230"  <br>"4377175"  <br>"4517699").PN.<br>OR ("4606777").<br>URPN. | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2010/05/05<br>10:50 |
| S234 | 15 | ("2482021"  <br>"2545792"  <br>"3117028"  <br>"3188371").PN.<br>OR ("4018953").<br>URPN.  | US-PGPUB;<br>USPAT; USOCR | ADJ | ON | 2010/05/05<br>10:54 |

**EAST Search History (Interference)**

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**5/ 5/ 2010 2:53:44 PM****C:\ Documents and Settings\aweddle\ My Documents\ EAST\ Workspaces\ 10518548.wsp**